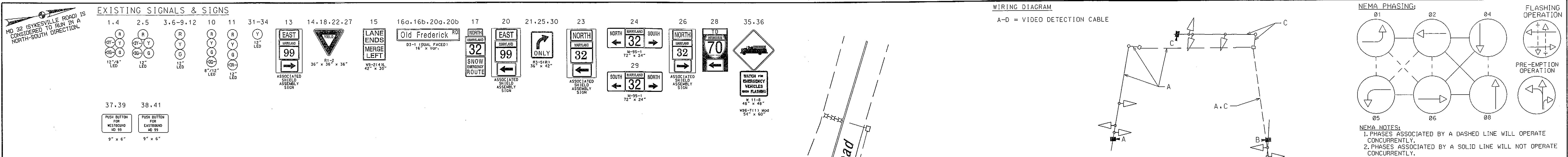
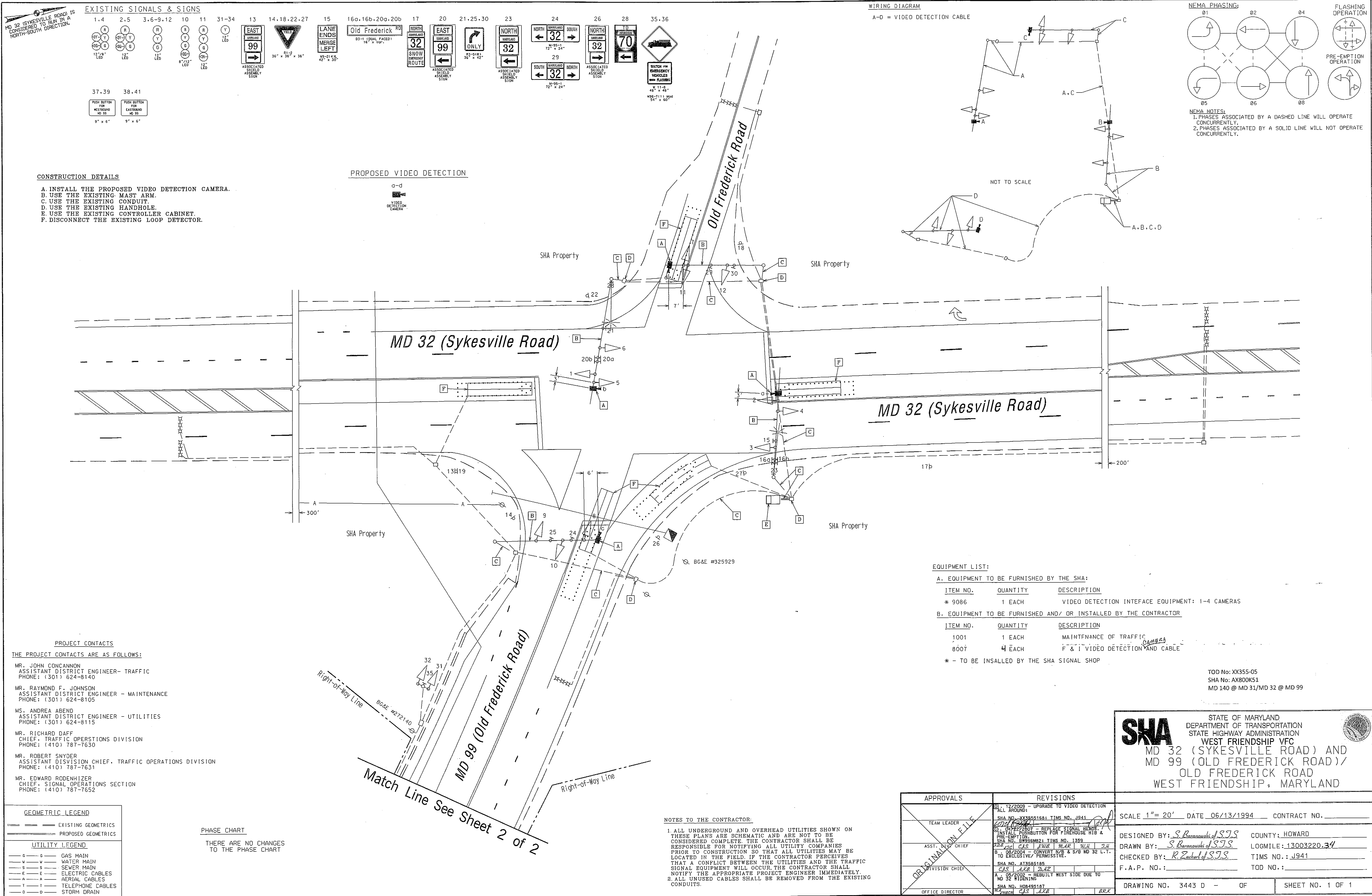


DRILL HOLES

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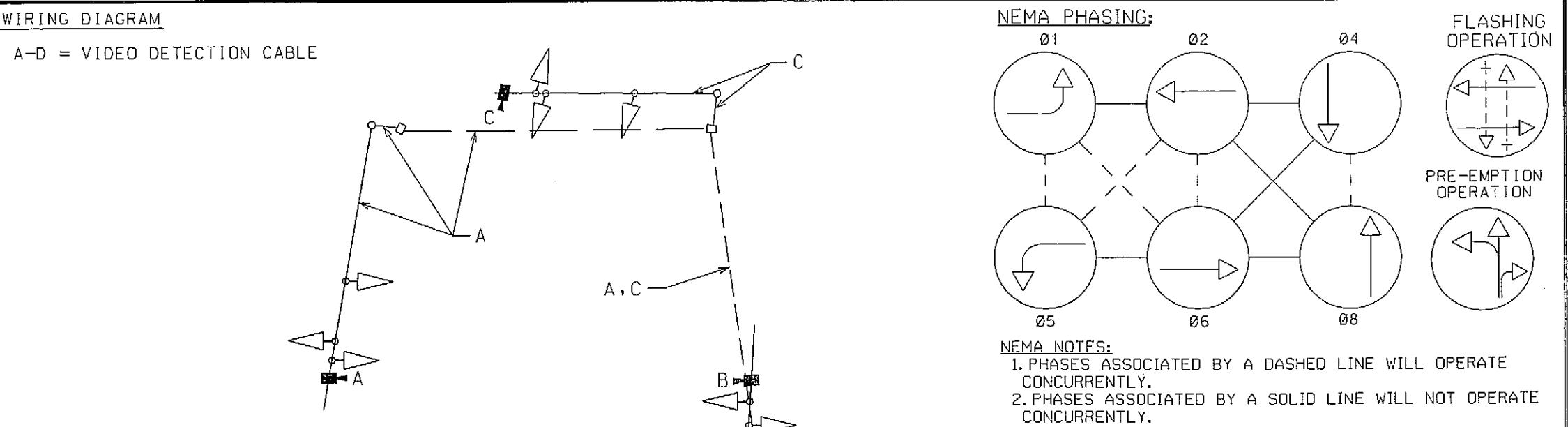


**CONSTRUCTION DETAILS**

A. INSTALL THE PROPOSED VIDEO DETECTION CAMERA.  
B. USE THE EXISTING MAST ARM.  
C. USE THE EXISTING CONDUIT.  
D. USE THE EXISTING HANDHOLE.  
E. USE THE EXISTING CONTROLLER CABINET.  
F. DISCONNECT THE EXISTING LOOP DETECTOR.

**PROPOSED VIDEO DETECTION**

A-D = VIDEO DETECTION CABLE



**PROJECT CONTACTS**

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. JOHN CONCANNON  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 624-8140

MR. RAYMOND F. JOHNSON  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 624-8105

MS. ANDREA ABEND  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
PHONE: (301) 624-8115

MR. RICHARD DAFF  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER  
CHIEF, SIGNAL OPERATIONS SECTION  
PHONE: (410) 787-7652

**GEOMETRIC LEGEND**

---	EXISTING GEOMETRICS
---	PROPOSED GEOMETRICS

**UTILITY LEGEND**

---	GAS MAIN
---	WATER MAIN
---	SEWER MAIN
---	ELECTRIC CABLES
---	AERIAL CABLES
---	TELEPHONE CABLES
---	STORM DRAIN

**PHASE CHART**

THERE ARE NO CHANGES TO THE PHASE CHART

**EQUIPMENT LIST:**

A. EQUIPMENT TO BE FURNISHED BY THE SHA:

ITEM NO.	QUANTITY	DESCRIPTION
* 9086	1 EACH	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8007	4 EACH	F & I VIDEO DETECTION CABLE

\* - TO BE INSTALLED BY THE SHA SIGNAL SHOP

TOD No: XX355-05  
SHA No: AX800K51  
MD 140 @ MD 31/MD 32 @ MD 99

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
WEST FRIENDSHIP VFC

MD 32 (SYKESVILLE ROAD) AND  
MD 99 (OLD FREDERICK ROAD) /  
OLD FREDERICK ROAD  
WEST FRIENDSHIP, MARYLAND

SCALE 1" = 20' DATE 06/13/1994 CONTRACT NO. \_\_\_\_\_

DESIGNED BY: *S. Baranowski of SJS* COUNTY: HOWARD  
DRAWN BY: *S. Baranowski of SJS* LOGMILE: 13003220.34  
CHECKED BY: *R. Zachary of SJS* TMS NO.: J941  
F.A.P. NO.: \_\_\_\_\_ TOD NO.: \_\_\_\_\_

DRAWING NO. 3443 D - OF SHEET NO. 1 OF 1

**NOTES TO THE CONTRACTOR:**

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS.

APPROVALS	REVISIONS
TEAM LEADER	01. 12/2009 - UPGRADE TO VIDEO DETECTION ALL AROUND
ASST. DIVISION CHIEF	SHA NO. XX35501561 TMS NO. J941
DIVISION CHIEF	02. 06/2010 - REPLACE SIGNAL HEADS
OFFICE DIRECTOR	SHA NO. 875556221 TMS NO. 1359
	03. 05/2011 - CONVERT MD 32 L.T. TO EXCLUSIVE/ PERMISSIVE
	SHA NO. 473556166
	04. 05/2012 - REBUILD WEST SIDE DUE TO MD 32 WIDENING
	SHA NO. 80455167
	05. 05/2012 - REBUILD WEST SIDE DUE TO MD 32 WIDENING
	SHA NO. 80455167